

**REVISED EXPRESS TERMS  
FOR  
PROPOSED BUILDING STANDARDS  
OF THE  
DEPARTMENT OF HOUSING AND COMMUNITY DEVELOPMENT  
REGARDING THE ADOPTION BY REFERENCE OF THE  
2006 EDITION OF THE UNIFORM PLUMBING CODE (UPC) WITH PROPOSED AMENDMENTS  
INTO THE 2007 CALIFORNIA PLUMBING CODE (CPC)  
CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 5**

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The Department of Housing and Community Development (HCD) proposes to adopt the 2006 edition of the Uniform Plumbing Code (UPC) for codification and effectiveness into the 2007 edition of the California Plumbing Code (CPC) as presented on the following pages, including any necessary amendments. HCD further proposes to:

- Repeal the 2000 edition of the Uniform Plumbing Code;
- Repeal amendments to the model codes that are no longer necessary, repeal or amend building standards that are not addressed by a model code;
- Relocate or codify existing adopted and necessary amendments to the model code into the format of the model code proposed for adoption, the action of which has no regulatory effect; adopt new necessary amendments to the model code proposed for adoption; and/or
- Adopt new building standards that are not addressed by the model code proposed for adoption

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**LEGEND FOR EXPRESS TERMS:**

1. Existing California amendments or code language being modified: All such language appears in *italics*, modified language is underlined or shown in ~~strikeout~~.
  2. New UPC language with new California amendments: UPC language shown in normal Arial 9 point; California amendments to UPC text shown underlined and in italics.
  3. Repealed text: All such language appears in ~~strikeout~~.
  4. Amended, adopted or repealed language after public hearing: All such language will appear in double underline and ~~double-strikeout~~.
  5. Notation: Authority and Reference citations are provided at the end of each chapter.
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**AMENDMENTS:**

***Original Proposed Amendment:***

*None proposed for Low VOC One-Step Cement.*

***Proposed Amendment:***

**Low VOC One-Step Cement:** Listed solvent cements that do not require the use of primer with a volatile organic compound (VOC) content of less than or equal to 490 g/L for CPVC Cement, 510 g/L for PVC Cement, and 325 g/L for ABS Cement, as determined by the South Coast Air Quality Management District's Laboratory Methods of Analysis for Enforcement Samples, Method 316A.

***Rationale:***

*One-step cement requirement for CPVC: HCD is in the process of completing a CEQA review of CPVC pipe for potable water use. HCD finds that requiring one-step cement would significantly reduce the potential air impacts from the project. Although the project may not be approved and this amendment may be pulled out of the code, administrative law procedure requires public review of proposed regulations and thus this proposed amendment must go through the proper rulemaking procedures.*

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17921, 17922, 18300, 18865 and 19990; and Government Code Sections 12955.1 and 12955.1.1.

Reference: Health and Safety Code Sections 17000 through 17060, 17910 through 17995.5, 18630, 18640, 18690, 18873.1, 18873.2, 18873.4 and 19960 through 19997; and Government Code Sections 12955.1 and 12955.1.1.

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**Original Proposed Amendment:**

**316.1.6 Solvent Cement Plastic Pipe Joints.** Plastic pipe and fittings designed to be joined by solvent cementing shall comply with appropriate IAPMO Installation Standards.

ABS pipe and fittings shall be cleaned and then joined with solvent cement(s).

CPVC pipe and fittings shall be cleaned and then joined with listed primer(s) and solvent cement(s).

**Exception:** Listed solvent cements that do not require the use of primer shall be permitted for use with CPVC pipe and fittings, manufactured in accordance with ASTM D2846, 1/2 inch through 2 inches in diameter.

PVC pipe and fittings shall be cleaned and joined with primer(s) and solvent cement(s). A solvent cement transition joint between ABS and PVC building drain or building sewer shall be made using a listed transition solvent cement.

For applications listed in Sections 108.2.1 through 108.2.1.3 regulated by the Department of Housing and Community Development, plastic pipe and fittings joined with solvent cement shall utilize Low-VOC primer(s), if a primer is required, and Low-VOC solvent cement(s) as defined in Section 215.

**Proposed Amendment:**

**316.1.6 Solvent Cement Plastic Pipe Joints.** Plastic pipe and fittings designed to be joined by solvent cementing shall comply with appropriate IAPMO Installation Standards.

ABS pipe and fittings shall be cleaned and then joined with solvent cement(s).

CPVC pipe and fittings shall be cleaned and then joined with listed primer(s) and solvent cement(s).

**Exceptions:**

(1) Listed solvent cements that do not require the use of primer shall be permitted for use with CPVC pipe and fittings, manufactured in accordance with ASTM D2846, 1/2 inch through 2 inches in diameter.

(2) [HCD 1 & HCD 2] Low VOC One-Step Cement that does not require the use of primer shall be utilized with CPVC pipe and fittings, manufactured in accordance with ASTM D2846, 1/2 inch through 2 inches in diameter.

PVC pipe and fittings shall be cleaned and joined with primer(s) and solvent cement(s). A solvent cement transition joint between ABS and PVC building drain or building sewer shall be made using a listed transition solvent cement.

[HCD 1 & HCD 2] For applications listed in Sections 108.2.1 through 108.2.1.3 regulated by the Department of Housing and Community Development, plastic pipe and fittings joined with solvent cement shall utilize Low-VOC primer(s), if a primer is required, and Low-VOC solvent cement(s) as defined in Section 215.

**Rationale:**

One-step cement requirement for CPVC: HCD is in the process of completing a CEQA review of CPVC pipe for potable water use. HCD finds that requiring one-step cement would significantly reduce the potential air impacts from the project. Although the project may not be approved and this amendment may be pulled out of the code, administrative law procedure requires public review of proposed regulations and thus this proposed amendment must go through the proper rulemaking procedures.

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17921, 17922, 18300, 18865 and 19990; and Government Code Sections 12955.1 and 12955.1.1.

Reference: Health and Safety Code Sections 17000 through 17060, 17910 through 17995.5, 18630, 18640, 18690, 18873.1, 18873.2, 18873.4 and 19960 through 19997; and Government Code Sections 12955.1 and 12955.1.1.

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**Original Proposed Amendment:**

None proposed for section.

**Proposed Amendment:**

**604.10** Water pipe and fittings with a lead content which exceeds eight (8) percent shall be prohibited in piping systems used to convey potable water.

**Note:** On or after January 1, 2010, see Section 116875 of the Health and Safety Code for the lead content of pipes, pipe or plumbing fittings, or fixtures intended to convey or dispense water for human consumption

**Rationale:** HCD is proposing to add the note to direct the users to a new section of law, Chapter 853 (Chan AB 1953) Statutes of 2006 that will take effect in January of 2010. The proposed language has no regulatory effect.

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**Original Proposed Amendment:**

**604.1.1 [For HCD 1 & HCD 2]** ~~Water distribution pipe, building supply water pipe and fittings shall be of brass, copper, cast iron, galvanized malleable iron, galvanized wrought iron, galvanized steel, or other approved materials. Asbestos-cement, CPVC, PE or PVC, water pipe manufactured to recognized standards may be used for cold water distribution systems outside a building except as provided for CPVC use pursuant to Section 604.1.2. All materials used in the water supply system, except valves and similar devices shall be of a like material, except where otherwise approved by the Administrative Authority.~~

**Proposed Amendment:**

**TABLE 6-4<sup>1</sup>**

Material	Water Distribution Pipe and Fittings		Building Supply Pipe and Fittings
	Hot	Cold	
Asbestos – Cement			X
Brass	X	X	X
Copper	X	X	X
Cast Iron	X	X	X
CPVC	X	X	X
Galvanized Malleable Iron	X	X	X
Galvanized Wrought Iron	X	X	X
Galvanized Steel	X	X	X
PE			X
PE-AL-PE	X	X	X
PEX	X	X	X
PEX-AL-PEX	X	X	X
PVC			X

**1 [For BSC, DSA/SS & HCD]** The use of PEX and PEX-AL-PEX in potable water supply systems is not adopted for applications under the authority of the Building Standards Commission and the Division of State Architect and the Department of Housing and Community Development.

**Rationale:**

Building standards for cross-linked polyethylene tubing (PEX) first appeared in the 2000 Uniform Plumbing Code, and building standards for cross-linked polyethylene-aluminum-cross-linked polyethylene tubing (PEX-AL-PEX) first appeared in the 2003 Uniform Plumbing Code. PEX and PEX-AL-PEX are now utilized in 49 other states, and over 300 localities in California. HCD gives great weight to the methods and testing which led to inclusion of these products in the Uniform Plumbing Code, and for this reason, included the products in the proposed 2007 California Plumbing Code. However, during the public comment period for adoption of these products into the 2007 California Plumbing Code, several issues were raised that cannot be fully addressed within the timeframe for adoption in this code adoption cycle. Therefore, HCD proposes to remove proposed building standards for PEX and PEX-AL-PEX from the proposed 2007 California Plumbing Code.

Withdrawal of PEX and PEX-AL-PEX from the proposed California Plumbing Code does not result in a prohibition of the use of these products. Local building officials remain authorized to approve PEX and PEX-AL-PEX pursuant to State Housing Law on a case-by-case basis, through the alternate approval provision, or by ordinance, upon an expressed finding that it is reasonably necessary because of local climatic, geological, or topographical conditions.

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**Original Proposed Amendment:**

**604.11 PEX. ~~[Not Adopted by HCD]~~** Cross-linked polyethylene (PEX) tubing shall be marked with the appropriate standard designation(s) listed in Table 14-1 for which the tubing has been listed or approved. PEX tubing shall be installed in compliance with the provisions of this section.

**Proposed Amendment:**

**604.11 PEX. ~~[Not Adopted by HCD]~~** Cross-linked polyethylene (PEX) tubing shall be marked with the appropriate standard designation(s) listed in Table 14-1 for which the tubing has been listed or approved. PEX tubing shall be installed in compliance with the provisions of this section.

**Rationale:**

Building standards for cross-linked polyethylene tubing (PEX) first appeared in the 2000 Uniform Plumbing Code, and building standards for cross-linked polyethylene-aluminum-cross-linked polyethylene tubing (PEX-AL-PEX) first appeared in the 2003 Uniform Plumbing Code. PEX and PEX-AL-PEX are now utilized in 49 other states, and over 300 localities in California. HCD gives great weight to the methods and testing which led to inclusion of these products in the Uniform Plumbing Code, and for this reason, included the products in the proposed 2007 California Plumbing Code. However, during the public comment period for adoption of these products into the 2007 California Plumbing Code, several issues were raised that cannot be fully addressed within the timeframe for adoption in this code adoption cycle. Therefore, HCD proposes to remove proposed building standards for PEX and PEX-AL-PEX from the proposed 2007 California Plumbing Code.

Withdrawal of PEX and PEX-AL-PEX from the proposed California Plumbing Code does not result in a prohibition of the use of these products. Local building officials remain authorized to approve PEX and PEX-AL-PEX pursuant to State Housing Law on a case-by-case basis, through the alternate approval provision, or by ordinance, upon an expressed finding that it is reasonably necessary because of local climatic, geological, or topographical conditions.

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**Original Proposed Amendment:**

**604.11.1 PEX Fittings. ~~[Not Adopted by HCD]~~** Metal insert fittings, metal compression fittings, and cold expansion fittings used with PEX tubing shall be manufactured to and marked in accordance with the standards for the fittings in Table 14-1.

**Proposed Amendment:**

**604.11.1 PEX Fittings. ~~[Not Adopted by HCD]~~** Metal insert fittings, metal compression fittings, and cold expansion fittings used with PEX tubing shall be manufactured to and marked in accordance with the standards for the fittings in Table 14-1.

**Rationale:**

Building standards for cross-linked polyethylene tubing (PEX) first appeared in the 2000 Uniform Plumbing Code, and building standards for cross-linked polyethylene-aluminum-cross-linked polyethylene tubing (PEX-AL-PEX) first appeared in the 2003 Uniform Plumbing Code. PEX and PEX-AL-PEX are now utilized in 49 other states, and over 300 localities in California. HCD gives great weight to the methods and testing which led to inclusion of these products in the Uniform Plumbing Code, and for this reason, included the products in the proposed 2007 California Plumbing Code. However, during the public comment period for adoption of these products into the 2007 California Plumbing Code, several issues were raised that cannot be fully addressed within the timeframe for adoption in this

code adoption cycle. Therefore, HCD proposes to remove proposed building standards for PEX and PEX-AL-PEX from the proposed 2007 California Plumbing Code.

Withdrawal of PEX and PEX-AL-PEX from the proposed California Plumbing Code does not result in a prohibition of the use of these products. Local building officials remain authorized to approve PEX and PEX-AL-PEX pursuant to State Housing Law on a case-by-case basis, through the alternate approval provision, or by ordinance, upon an expressed finding that it is reasonably necessary because of local climatic, geological, or topographical conditions.

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**Original Proposed Amendment:**

**604.11.2 Water Heater Connections.** ~~[Not Adopted by HCD]~~ PEX tubing shall not be installed within the first eighteen (18) inches (457mm) of piping connected to a water heater.

**Proposed Amendment:**

**604.11.2 Water Heater Connections.** [Not Adopted by HCD] PEX tubing shall not be installed within the first eighteen (18) inches (457mm) of piping connected to a water heater.

**Rationale:**

Building standards for cross-linked polyethylene tubing (PEX) first appeared in the 2000 Uniform Plumbing Code, and building standards for cross-linked polyethylene-aluminum-cross-linked polyethylene tubing (PEX-AL-PEX) first appeared in the 2003 Uniform Plumbing Code. PEX and PEX-AL-PEX are now utilized in 49 other states, and over 300 localities in California. HCD gives great weight to the methods and testing which led to inclusion of these products in the Uniform Plumbing Code, and for this reason, included the products in the proposed 2007 California Plumbing Code. However, during the public comment period for adoption of these products into the 2007 California Plumbing Code, several issues were raised that cannot be fully addressed within the timeframe for adoption in this code adoption cycle. Therefore, HCD proposes to remove proposed building standards for PEX and PEX-AL-PEX from the proposed 2007 California Plumbing Code.

Withdrawal of PEX and PEX-AL-PEX from the proposed California Plumbing Code does not result in a prohibition of the use of these products. Local building officials remain authorized to approve PEX and PEX-AL-PEX pursuant to State Housing Law on a case-by-case basis, through the alternate approval provision, or by ordinance, upon an expressed finding that it is reasonably necessary because of local climatic, geological, or topographical conditions.

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17921, 17922, 18300, 18865 and 19990; and Government Code Sections 12955.1 and 12955.1.1.

Reference: Health and Safety Code Sections 17000 through 17060, 17910 through 17995.5, 18630, 18640, 18690, 18873.1, 18873.2, 18873.4 and 19960 through 19997; and Government Code Sections 12955.1 and 12955.1.1.

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**Original Proposed Amendment:**

None proposed for this section.

**Proposed Amendment:**

**604.13 PEX-AL-PEX and PE-AL-PE.** Cross-linked polyethylene-aluminum-cross-linked polyethylene (PEX-AL-PEX) and polyethylene-aluminum-polyethylene (PE-AL-PE) composite pipe shall be marked with the appropriate standard designations listed in Table 14-1 for which the piping has been listed or approved. PEX-AL-PEX and PE-AL-PE piping shall be installed in compliance with the provisions of this section.

[HCD 1 & HCD 2] PEX-AL-PEX is not adopted for use in potable water supply and distribution systems.

**Rationale:**

Building standards for cross-linked polyethylene tubing (PEX) first appeared in the 2000 Uniform Plumbing Code, and building standards for cross-linked polyethylene-aluminum-cross-linked polyethylene tubing (PEX-AL-PEX) first appeared in the 2003 Uniform Plumbing Code. PEX and PEX-AL-PEX are now utilized in 49 other states, and over 300 localities in California. HCD gives great weight to the methods and testing which led to inclusion of these products in the Uniform Plumbing Code, and for this reason, included the products in the proposed 2007 California Plumbing Code. However, during the public comment period for adoption of these products into the 2007 California Plumbing Code, several issues were raised that cannot be fully addressed within the timeframe for adoption in this code adoption cycle. Therefore, HCD proposes to remove proposed building standards for PEX and PEX-AL-PEX from the proposed 2007 California Plumbing Code.

*Withdrawal of PEX and PEX-AL-PEX from the proposed California Plumbing Code does not result in a prohibition of the use of these products. Local building officials remain authorized to approve PEX and PEX-AL-PEX pursuant to State Housing Law on a case-by-case basis, through the alternate approval provision, or by ordinance, upon an expressed finding that it is reasonably necessary because of local climatic, geological, or topographical conditions.*

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**Original Proposed Amendment:**

*None proposed for this section.*

**Proposed Amendment:**

**604.13.1 PEX-AL-PEX and PE-AL-PE.** Fittings used with PEX-AL-PEX and PE-AL-PE piping shall be manufactured to and marked in accordance with the standard for the fittings in Table 14-1.

**[HCD 1 & HCD 2] PEX-AL-PEX is not adopted for use in potable water supply and distribution systems.**

**Rationale:**

*Building standards for cross-linked polyethylene tubing (PEX) first appeared in the 2000 Uniform Plumbing Code, and building standards for cross-linked polyethylene-aluminum-cross-linked polyethylene tubing (PEX-AL-PEX) first appeared in the 2003 Uniform Plumbing Code. PEX and PEX-AL-PEX are now utilized in 49 other states, and over 300 localities in California. HCD gives great weight to the methods and testing which led to inclusion of these products in the Uniform Plumbing Code, and for this reason, included the products in the proposed 2007 California Plumbing Code. However, during the public comment period for adoption of these products into the 2007 California Plumbing Code, several issues were raised that cannot be fully addressed within the timeframe for adoption in this code adoption cycle. Therefore, HCD proposes to remove proposed building standards for PEX and PEX-AL-PEX from the proposed 2007 California Plumbing Code.*

*Withdrawal of PEX and PEX-AL-PEX from the proposed California Plumbing Code does not result in a prohibition of the use of these products. Local building officials remain authorized to approve PEX and PEX-AL-PEX pursuant to State Housing Law on a case-by-case basis, through the alternate approval provision, or by ordinance, upon an expressed finding that it is reasonably necessary because of local climatic, geological, or topographical conditions.*

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**Original Proposed Amendment:**

*None proposed for this section.*

**Proposed Amendment:**

**604.13.2 Water Heater Connections.** PEX-ALPEX or PE-AL-PE tubing shall not be installed within the first eighteen inches (18) (457 mm) of piping connected to a water heater.

**[HCD 1 & HCD 2] PEX-AL-PEX is not adopted for use in potable water supply and distribution systems.**

**Rationale:**

*Building standards for cross-linked polyethylene tubing (PEX) first appeared in the 2000 Uniform Plumbing Code, and building standards for cross-linked polyethylene-aluminum-cross-linked polyethylene tubing (PEX-AL-PEX) first appeared in the 2003 Uniform Plumbing Code. PEX and PEX-AL-PEX are now utilized in 49 other states, and over 300 localities in California. HCD gives great weight to the methods and testing which led to inclusion of these products in the Uniform Plumbing Code, and for this reason, included the products in the proposed 2007 California Plumbing Code. However, during the public comment period for adoption of these products into the 2007 California Plumbing Code, several issues were raised that cannot be fully addressed within the timeframe for adoption in this code adoption cycle. Therefore, HCD proposes to remove proposed building standards for PEX and PEX-AL-PEX from the proposed 2007 California Plumbing Code.*

*Withdrawal of PEX and PEX-AL-PEX from the proposed California Plumbing Code does not result in a prohibition of the use of these products. Local building officials remain authorized to approve PEX and PEX-AL-PEX pursuant to State Housing Law on a case-by-case basis, through the alternate approval provision, or by ordinance, upon an expressed finding that it is reasonably necessary because of local climatic, geological, or topographical conditions.*

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**Original Proposed Amendment:**

**~~701.1.2.2 [For HCD 1 & HCD 2]~~** ~~ABS and PVC installations are limited to not more than two stories of areas of residential accommodation.~~

**Proposed Amendment:**

**~~701.1.2.2 701.1.2.1 [For HCD 1 & HCD 2]~~** ABS and PVC installations are limited to not more than two stories of areas of residential accommodation.

**Rationale:**

ABS/PVC DWV applications above two-stories: HCD finds that work for these products cannot be completed by the time the CPC is presented to the CBSC for decision and is unable to complete an adequate review due to a lack of necessary information. As a result, HCD is proposing to bring forward the previous amendment which would amend the UPC to limit the use of ABS/PVC DWV to two stories of areas of residential accommodation.

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**Original Proposed Amendment:**

**~~705.2.5 [For HCD 1 & HCD 2]~~** ~~ABS and PVC Pipe. For applications listed in Sections 108.2.1 through 108.2.1.3 regulated by the Department of Housing and Community Development, joints ~~Joints~~ in ABS and PVC pipe shall be made as provided in Section ~~316.0, U.P.C~~ 316.1.6 of this code.~~

**Proposed Amendment:**

**~~705.2.5 [For HCD 1 & HCD 2]~~** ~~ABS and PVC Pipe. [HCD 1 & HCD 2] For applications listed in Sections 108.2.1 through 108.2.1.3 regulated by the Department of Housing and Community Development, joints ~~Joints~~ in ABS and PVC pipe shall be made as provided in Section ~~316.0, U.P.C~~ 316.1.6 of this code.~~

**Rationale:**

ABS/PVC DWV applications above two-stories: HCD finds that work for these products cannot be completed by the time the CPC is presented to the CBSC for decision and is unable to complete an adequate review due to a lack of necessary information. As a result, HCD is proposing to bring forward the previous amendment which would amend the UPC to limit the use of ABS/PVC DWV to two stories of areas of residential accommodation.

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**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17921, 17922, 18300, 18865 and 19990; and Government Code Sections 12955.1 and 12955.1.1.

Reference: Health and Safety Code Sections 17000 through 17060, 17910 through 17995.5, 18630, 18640, 18690, 18873.1, 18873.2, 18873.4 and 19960 through 19997; and Government Code Sections 12955.1 and 12955.1.1.

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**Original Proposed Amendment:**

**~~903.1.2.2 [For HCD 1 & HCD 2]~~** ~~ABS or PVC installations are limited to not more than two stories of areas of residential accommodation.~~

**Proposed Amendment:**

**~~903.1.2.2 903.1.3 [For HCD 1 & HCD 2]~~** ABS or PVC installations are limited to not more than two stories of areas of residential accommodation.

**Rationale:**

ABS/PVC DWV applications above two-stories: HCD finds that work for these products cannot be completed by the time the CPC is presented to the CBSC for decision and is unable to complete an adequate review due to a lack of necessary information. As a result, HCD is proposing to bring forward the previous amendment which would amend the UPC to limit the use of ABS/PVC DWV to two stories of areas of residential accommodation.

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**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17921, 17922, 18300, 18865 and 19990; and Government Code Sections 12955.1 and 12955.1.1.

Reference: Health and Safety Code Sections 17000 through 17060, 17910 through 17995.5, 18630, 18640, 18690, 18873.1, 18873.2, 18873.4 and 19960 through 19997; and Government Code Sections 12955.1 and 12955.1.1.

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**Original Proposed Amendment:**

~~1101.3.1 [For HCD 1 & HCD 2] Material Uses. Rainwater piping placed within the interior of a building or run within a vent or shaft shall be of cast iron, galvanized steel, wrought iron, brass, copper, lead, Schedule 40 ABS DWV, Schedule 40 PVC DWV, stainless steel 304 or 316L (stainless steel 304 pipe and fittings shall not be installed underground and shall be kept at least six inches (152 mm) above ground), or other approved materials, and changes in direction shall conform to the requirements of Section 706.0. ABS or PVC installations are limited to not more than two stories of areas of residential accommodation.~~

~~1101.3.3 [For HCD 1 & HCD 2] ABS or PVC installations are limited to not more than two stories of areas of residential accommodation.~~

**Proposed Amendment:**

**1101.3 Material Uses.** Rainwater piping placed within the interior of a building or run within a vent or shaft shall be of cast iron, galvanized steel, wrought iron, brass, copper, lead, Schedule 40 ABS DWV, Schedule 40 PVC DWV, stainless steel 304 or 316 L (stainless steel 304 pipe and fittings shall not be installed underground and shall be kept at least six inches (152 mm) aboveground), or other approved materials, and changes in direction shall conform to the requirements of Section 706.0. ABS and PVC DWV piping installations shall be installed in accordance with IS 5, IS 9, and Chapter 15 "Firestop Protection." Except for individual single-family dwelling units, materials exposed within ducts or plenums shall have a flame-spread index or not more than 25 and a smoke-developed index of not more than 50, when tested in accordance with the Test for Surface-Burning Characteristics of the Building Materials (see the Building code standards based on ASTM E-84 and ANSI/UL 723.).

[HCD 1 & HCD 2] ABS or PVC installations are limited to not more than two stories of areas of residential accommodation.

**Rationale:**

ABS/PVC DWV applications above two-stories: HCD finds that work for these products cannot be completed by the time the CPC is presented to the CBSC for decision and is unable to complete an adequate review due to a lack of necessary information. As a result, HCD is proposing to bring forward the previous amendment which would amend the UPC to limit the use of ABS/PVC DWV to two stories of areas of residential accommodation.

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**Original Proposed Amendment:**

**1102.1.2** The inside of conductors installed above ground level shall be of seamless copper water tube, Type K, L, or M; Schedule 40 copper pipe or Schedule 40 copper alloy pipe; Type DWV copper drainage tube; service weight cast-iron soil pipe or hubless cast-iron soil pipe; standard weight galvanized steel pipe; Stainless Steel 304 or 316L (stainless steel 304 pipe and fittings shall not be installed underground and shall be kept at least six inches (152 mm) above ground); or Schedule 40 ABS or Schedule 40 PVC plastic pipe.

~~[For HCD 1 & HCD 2] ABS or PVC installations are limited to not more than two stories of areas of residential accommodation.~~

**Proposed Amendment:**

**1102.1.2** The inside of conductors installed above ground level shall be of seamless copper water tube, Type K, L, or M; Schedule 40 copper pipe or Schedule 40 copper alloy pipe; Type DWV copper drainage tube; service weight cast-iron soil pipe or hubless cast-iron soil pipe; standard weight galvanized steel pipe; Stainless Steel 304 or 316L (stainless steel 304 pipe and fittings shall not be installed underground and shall be kept at least 6 inches (152 mm) above ground); or Schedule 40 ABS or Schedule 40 PVC plastic pipe.

[HCD 1 & HCD 2] ABS or PVC installations are limited to not more than two stories of areas of residential accommodation.

**Rationale:**

ABS/PVC DWV applications above two-stories: HCD finds that work for these products cannot be completed by the time the CPC is presented to the CBSC for decision and is unable to complete an adequate review due to a lack of necessary information. As a result, HCD is proposing to bring forward the previous amendment which would amend the UPC to limit the use of ABS/PVC DWV to two stories of areas of residential accommodation.



**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17921, 17922, 18300, 18865 and 19990; and Government Code Sections 12955.1 and 12955.1.1.

Reference: Health and Safety Code Sections 17000 through 17060, 17910 through 17995.5, 18630, 18640, 18690, 18873.1, 18873.2, 18873.4 and 19960 through 19997; and Government Code Sections 12955.1 and 12955.1.1.